TROUBLE SHOOTING

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SECOND PAPER FEED AREA

(1) [PAPER JAM:LEFT] or [PAPER JAM:RIGHT]

[redacted] :

① "Spring;Timing Lever" Broken
"Shaft;Timing Roller" Set Screws Loose

② Belt Jump

③ One-way Gear of Guide Roller Broken
"Spring;Sector Gear" Broken

[redacted] :

① Paper Sensor----Sensitivity Down, Paper Dust, Master Strip, Ink Drops, etc.
----Broken

② Troubles in Connectors → PRI Drive PCB → Panel PCB

(2) " Print Position is not Good. "

[redacted] : ① Belt Jump

② Pressure of Timing Roller's Too Weak

③ Timing of Timing Roller's(Up) Too Late

3) " Paper Wrinkle "

[redacted] : ① Pressure of Timing Roller's Too Strong

② Resting Position of Pressure Roller is Too Low to be turned by Roller Starter

③ Guide Roller Not Parallel to Timing Roller
Something Winds up on Guide Roller

PRESSURE ROLLER-SEPARATOR AREA

(1) [PAPER JAM:LEFT] or [PAPER JAM:RIGHT]

Mechanical Cause :

① Hook Lever can't be Caught by Pressure Hook.
----- Bad Position of Pressure Solenoid; Worn-out Pressure Hook

② Set Screws of"Pressure Lever"or"Shaft Catch;Pressure Shaft" Loose

③ Deformation of Pressure Link----Movement is not smooth

④ Too much Room between Separator and Drum
"Spring;Separator" Removed, off

Electrical Cause :

① Pressure Solenoid Broken

② Pressure Detection Sensor Broken

③ Troubles in Connectors → PRI Drive PCB → Panel PCB

(2) " Print Quality is not Good."

With Pressure Roller :

① Pressure of Pressure Roller is Too Weak.

② Uneven Pressure on both sides of Pressure Roller
----- Troubles in "Center Shaft;Pressure"

With Separator :

① Scratch by The Tip of Separator

DRUM ROTATION

(1) [T1:CALL SERVICE(Main Motor Lock)]

Mechanical Cause :

① Clamp Plate Caught in Master Removal Hook----"Plate;Angular Magnet" out of Position

② Spring Pins of Main Shaft Broken

③ Magnet A Fallen Off

④ Squeegee Roller Locked-----Something Between Doctor and Squeegee Rollers

⑤ "Gear;Clamp Motor" Locked in the gear of Clamp Plate

⑥ Drum Stopper Deformed

⑦ Many Sheets of Paper Stacked Between Guide Plates

Electrical Cause :

① Fuse on Main Motor PCB Short-circuited

② Troubles in Main Motor---Brush,Belt,etc.

③ Magnet A Detection Sensor Broken

④ I Detection Sensor Broken

⑤ Troubles in Connectors → Main Motor PCB → PRI Drive PCB → Panel PCB

(2) [NO MASTER ON THE DRUM]

Cause : ① Position of Master Sensor is No Good.

② Position of I Disc is No Good.

③ Master Sensor---Sensitivity Down

④ Troubles in Connectors → PRI Drive PCB → Panel PCB

FRONT COVER-DRUM AREA

(1) [CLOSE COVER]

Cause : ① Position of Front Cover SW or SW Push Plate is No Good.

② Troubles in Front Cover SW → Connectors → PRI Drive PCB
→ Panel PCB

(2) [SET DRUM IN PLACE]

Cause : ① Position of Drum Set SW is No Good.

② Troubles in Drum Set SW → Connectors → PRI Drive PCB
→ Panel PCB

(3) [SET INK BOTTLE]

Cause : ① Position of Ink Bottle SW is No Good.

② Troubles in Ink Bottle SW → Drum PCB → Drawer Connector
→ PRI Drive PCB → Panel PCB

(4) [REPLACE INK BOTTLE]

Mechanical Cause :

① Steel Ball Locked

② "Cushion;Bottle Catch" Worn-out

③ "Linking Plate;Inking Pump" Screws Fallen off

Electrical Cause :

① Troubles in Inking Pump

② Ink Probe Broken

③ Troubles in Drum PCB

④ Troubles in Drawer Connector → PRI Drive PCB → Panel PCB

(5) [T4 : CALL SERVICE (OVERFLOW)]

[redacted] : ① Troubles in Overflow Sensor---Ink Splashes on Overflow Sensor

② Too Wide Gap between Two Rollers

③ Something Dropped into the Squeegee Unit

④ Troubles in Drum PCB → Drawer Connector → PRI Drive PCB → Panel PCB

(6) " Print Density is not Good. "

[redacted] :

① Weak Density in the Whole Area

< Cause > : Pressure of Pressure Roller is Weak.

② In the Top Part of Printed Image, Weak Density

< Cause > : Resting Position of Roller is Too Low.

③ Ink Leakage on Sides or Back of Master

< Cause > : Too Strong Squeegee Pressure
Unbalanced Pressure of Squeegee Roller

④ Unbalanced Density on Both Sides of Image

< Cause > : Unbalanced Pressure of Squeegee Roller

⑤ Density of Solids is Weak.

< Cause > : Too Narrow Gap between Rollers

MASTER MAKING AREA

(1) [CLOSE MASTER-MAKING UNIT]

Cause : ① Position of Master-Making Unit SW is No Good.

② Troubles in Master-Making Unit SW

③ Troubles in Connectors → PRI Drive PCB → Panel PCB

(3) [SET MASTER ROLL]

① Mis-setting of Master Roll

Electrical Cause :

① Master Detection Sensor--- Sensitivity Down

② Troubles in Master Detection Sensor

③ Troubles in Connectors → PRI Drive PCB → Panel PCB

(4) [REPLACE MASTER ROLL]

Cause : ① Troubles in Master End Sensor

② Troubles in Connectors → PRI Drive PCB → Panel PCB

IMAGE SCANNING AREA

(1) [ORIGINAL JAM]

Mechanical Cause :

① Pressure of Guide A is Too Weaak.

② Pressure of Original Feed Plate is Too Weak.

③ Position of Stopper Plate is No Good.

④ Belt Tension is Too Low or Too High.

⑤ Deformation of Exit Guide Plate F

Electrical Cause :

① Troubles in Original Feed Solenoid

② Original Sensors----Sensitivity Down
Out of Position

③ Original Sernsors Broken

④ Troubles in Pulse Motor(Read)

⑤ Troubles in Master-Making PCB

⑥ Troubles in Connectors → PRI Drive PCB → Panel PCB

MASTER REMOVAL AREA

(1) [SET MASTER DISPOSAL UNIT]

Causes : ① Position of Master Removal Cover SW is No Good.

② Troubles in Master Removal Cover SW

③ Troubles in Connectors → PRI Drive PCB→ Panel PCB

(2) [CHECK MSTR DISPOSAL BOX]

Causes : ① Position of Master Over SW or Master Box Sw is No Good.

② Troubles in Master Over Sw or Master Box SW

③ Troubles in Connectors → PRI Drive PCB → Panel PCB

(3) [MASTER DISPOSAL JAM]

Mechanical Causes :

① Too Strong Pressure of"Compressive Plate;Duct"

② There is Space between Discharger Rollers.

③ Lateral Transport Belt Cut

④ D Roller Stop Position is No Good.

⑤ Position of Master Over SW is No Good.

Electrical Causes :

① Master Removal Sensor----Sensitivity Down
Out of Position

② Master Removal Sensor Broken

③ Troubles in M.-Rmv.Lateral Transport Motor

④ Self Retention SW Broken

⑤ Troubles in Connectors → PRI Drive PCB → Panel PCB

CUTTER AREA

(1) [MASTER CUT MALFUNCTION]

Mechanical Cause :

①"Guide Wire;Cutter" Caught in Master Sensor

② Wire of Cutter Disc Cut

③ Plastic Gear in Cutter Unit Broken

Electrical Cause :

① Cutter Position SW Broken

② Troubles in Cutter Motor

③ Troubles in Connectors → PRI Drive PCB → Panel PCB

MASTER FEEDING AREA

(1) [MASTER MISFEED:RESET]

Mechanical Cause :

① Cutter Unit is Not Parallel to Drum

② Position of"Guide Plate;Cutter" is Too Low.

③ Position of Setting Roller is Too Low--- Too much Backward Tension

④ Set Screws of Loading Roller's Pully or Loading Motor's Pully Loose

⑤ Too Much Static-electricity on Master Roll.

⑥ Belt Tension of Loading Motor is Too Low or Too High.

⑦ Belt Tension of Pulse Motor(Write)is Too Low or Too High.

⑧ Set Screws of"Pully F;Write Roller" Loose

⑨ Backward Tension by Thermal Head

MASTER FEEDING AREA

[redacted] :

① Master Sensor---Sensitivity Down

② Troubles in Loading Motor

③ Troubles in Pulse Motor(Write)

④ Storage Fan Broken

⑤ Troubles in Connectors → PRI Drive PCB → Panel PCB

KINDS OF NO GOOD IMAGE

(1) No Image at all

Causes : ① Set Master Roll Upside Down

② Set Original with Face Down

③ A Sheet of Master or Paper between Master and Drum Surface

④ Troubles in Master-Making Solenoid → Master-Making PCB→ Panel PCB

⑤ Troubles in Thermal Power PCB

⑥ Troubles in Connectors → IT.I/O PCB → Panel PCB

(2) The Whole Area is Black.

Causes : ① LED Alleys of Image Scanner don't light up.
→ Troubles in Connectors → Image Scanner PCB

② CCDs-----Sensitivity Down

③ Troubles in IT.I/O PCB

(3) Thin Black Line Appears.

Causes : ① Something sticked on the Glass Plate of Image Scanner
on the Rod Lenses

② A part of CCDs Broken

③ Troubles in IT.I/O PCB

(4) Thin White Line Appears.

Causes : ① Something White sticked on the Glass Plate of Image Scanner

② A Part of Thermal Head Broken

③ Something small Caught between Squeegee Roller and Doctor Roller

④ Troubles in IT.I/O PCB

KINDS OF NO GOOD IMAGE

(5) Image Blurrs.

[redacted] : ① Dirtiness of the Grass Plate of Image Scanner

② CCDs-----Sensitivity Down

③ Thermal Head----Thermal Power Down

(6) One Fourth of the Area is Darker than Other Parts.

[redacted] : ① Sensitivity of One Part is Lower than the Others or Goes Down.

② Troubles in IT.I/O PCB

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